TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
1	1497123CB1	1497123	g1294782	1.00E-107	phosphomevalonate kinase [Homo sapiens]	89.3
2	2985802CB1	3553729	g3420846	0	fibronectin [Danio rerio]	70.2
3	475532.4	2859033	g439858	3.00E-35	Human MHC Class I HLA heavy chain (HLA-B-7301) mRNA, complete cds.	58.2
4	3138290CB1	1870965	g2388555	0	alpha2(I) collagen [Homo sapiens]	51.1
5	474310.40	1672744	g818	0	protein-glutamine gamma-glutamyltransferase [Bos taurus]	49.1
6	410580.16	1445767	g386997	0	prebeta-migrating plasminogen activator inhibitor [Homo sapiens]	41.4
7	337518.25	1674454	g180924	0	connective tissue growth factor [Homo sapiens]	40.5
8	1303785CB1	079576	g34388	1.00E-145	lipocortin (AA 1-346) [Homo sapiens]	36.5
9	1044033.4	1514989	g2181871	0	Gig1 protein [Homo sapiens]	35.5
10	1000222.31	690313	g861521	0	prostacyclin-stimulating factor (PSF) [Homo sapeins]	33.4
11	403873.4	2329216	g179967	1.00E-160	carbonic anhydrase VII [Homo sapiens]	33
12	1383105.12	4049957	g2340833	1.00E-114	SM22 alpha [Homo sapiens]	29.6
13	1383354.13	1572533	g6983729	1.00E-86	dJ977B1.5 (myosin regulatory light chain 2, smooth muscle isoform) [Homo sapiens]	29.6
14	697785CB1	2495131	g307122	8.00E-77	lectin precursor [Homo sapiens]	28.8
15	420115CB1	1904751	g179646	0	complement component C1s [Homo sapiens]	28.8
16	1101453.2	2949427	g23398	3.00E-64	1-8U [Homo sapiens]	25.2
17	1399366.20	2055534	g511869	0	thrombospondin [Mus musculus]	24.6
18	3072333CB1	1447903	g398164	1.00E-145	insulin-like growth factor binding protein 3 [Homo sapiens]	24.4
19	1270681.1	1804548	g2588789	1.00E-22	p21/WAF1 [Felis catus]	23.9
20	1505038CB1	1987358	g536898	1.00E-166	follistatin-related protein precursor [Homo sapiens]	23.2
21	1035602.5	1854220	g3004502	0	quiescin [Homo sapiens]	22.1
22	1330167.3	1001730	g32131	1.00E-121	putative p33 [Homo sapiens]	21.1
23	1003386CB1	1664320	g29539	0	precursor of C1r (AA -17 to 688) [Homo sapiens]	21.1
24	1097334.1	2483605	g1924982	0	integral membrane serine protease Seprase [Homo sapiens]	20.1
25	959142CB1	2804667	g2995138	0	thrombospondin 2 [Bos taurus]	20.1
26	1359783CB1	1798209	g458228	5.00E-75	extracellular protein [Homo sapiens]	19.9
27	063646CB1	557012	g512778	0	protein with miniactivin activity [synthetic construct]	19.5
28	1519595CB1	2056395	g1518107	0	transforming growth factor induced protein [Oryctolagus cuniculus]	19.4
29	2054176CB1	3142736	g6070253	3.00E-41	Dickkopf-3 [Homo sapiens]	17.8
30	1312325CB1	1319608	g219898	6.00E-96	l-caldesmon II [Homo sapiens]	17.7
31	022404.25	1319608	g180194	9.00E-96	caldesmon [Homo sapiens]	17.7
32	1787335CB1	1958902	g5815461	0	insulin-like growth factor binding protein 5 protease [Rattus norvegicus]	17.5
33	1193648.7	1851696	g3273405	8.00E-79	laminin alpha 4 [Mus musculus]	17.1
34	1193648.1	1851696	g3168993	0	dJ142L7.1 (Laminin Alpha 4 LIKE isoform 1) [Homo sapiens]	17.1
35	1867861CB1	1448051	g726324	0	fibrillin-1 [Mus musculus]	16.3

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36	5511889CB1	1650238	g2612868	2.00E-94	down syndrome candidate region 1; one of four alternatively spliced exon 1 [Homo sapiens]	16.3
37	3094768CB1	2902903	g1177476	4.00E-67	interferon-inducible protein [Homo sapiens]	16.2
38	1256895CB1	1720056	g6996155	8.00E-81	prion protein (p27-30) [Homo sapiens]	15.5
39	2019981CB1	1733490	g188626	0	moesin B [Homo sapiens]	15.3
40	2708240CB1	3084122	g2654198	0	deleted in liver cancer-1 [Homo sapiens]	15.2
41	1092427.1	1313183	g339548	0	transforming growth factor-beta 1 binding protein precursor [Homo sapiens]	14.9
42	351841.7	1852047	g187189	0	lysyl oxidase [Homo sapiens]	14.7
43	022221.43	1314882	g4104232	0	collagen alpha3(VI) [Mus musculus]	14.5
44	2190217CB1	078783	g34756	1.00E-84	myosin regulatory light chain [Homo sapiens]	13.8
45	410910.3	2518178	g30097	1.00E-152	pro-alpha 1 (II) collagen (313 AA; AA 975-271c) [Homo sapiens]	13.7
46	1966280CB1	1700077	g339992	0	tumor necrosis factor [Homo sapiens]	13.6
47	430669.39	1572555	g207508	2.00E-95	alpha-tropomyosin 5b [Rattus norvegicus]	13.5
48	430669.23	1572555	g4884393	6.00E-83	hypothetical protein [Homo sapiens]	13.5
49	1870753CB1	782235	g1418928	1.00E-154	prepro-alpha1(I) collagen [Homo sapiens]	13.1
50	3173735CB1	521139	g193440	0	guanylate binding protein isoform I [Mus musculus]	12.8
51	1330185.14	2868138	g182514	2.00E-90	ferritin light chain [Homo sapiens]	12.3
52	2314132CB1	3118643	g30082	1.00E-89	alpha 1(VIII) collagen [Homo sapiens]	12.1
53	2508205CB1	2057296	g5748581	0	dJ65P5.1 (reticulocalbin 1, EF-hand calcium binding domain) [Homo sapiens]	12
54	3326672CB1	1995380	g1195483	1.00E-73	microsomal glutathione transferase [Homo sapiens]	11.9
55	234202.34	1995380	g306808	3.00E-78	glutathione S-transferase [Homo sapiens]	11.9
56	078242CB1	1319020	g693933	0	carbonate dehydratase [Homo sapiens]	11.8
57	220943.20	417451	g31441	0	Human mRNA for integrin beta 1 subunit.	11.8
58	1383320.13	1558081	g198466	0	type IV collagenase [Mus musculus]	11.5
59	3526170CB1	2242648	g181947	0	erythroid differentiation protein precursor [Homo sapiens]	11.5
60	184081.24	027775	g507252	6.00E-35	ferritin heavy chain [Homo sapiens]	11.2
61	1821331CB1	1394401	g895840	0	lrp [Homo sapiens]	10.9
62	3660006CB1	1720114	g31438	1.00E-153	integrin alpha 5 subunit precursor [Homo sapiens]	10.9
63	089172.13	3693273	g162694	0	aspartyl (asparaginyl) beta hydroxylase [Bos taurus]	10.8
64	3084563CB1	2852042	g181071	2.00E-89	cysteine-rich protein [Homo sapiens]	10.6
65	241227.17	1402715	g704441	1.00E-146	unknown [Homo sapiens]	10.4
66	348151.2	1618422	g38416	1.00E-143	cyclin D2 [Homo sapiens]	10.4
67	1720808CB1	2606307	g180825	1.00E-165	collagen type IV alpha 5 chain [Homo sapiens]	10.3
68	998552.6	459651	g2822169	1.00E-132	homeodomain protein HOXA9 [Homo sapiens]	10.3
69	040652.35	2508261	g8176525	1.00E-119	interferon-inducible myeloid differentiation transcriptional activator [Homo sapiens]	10.2
70	040652.36	2508261	g184569	0	interferon-gamma induced protein [Homo sapiens]	10.2

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71	082155CB1	522294	g899300	0	gpStaf50 [Homo sapiens]	10.1
72	190144CB1	1668794	g487809	4.00E-78	cell surface protein [Homo sapiens]	9.9
73	234537.3	1718651	g3046875	0	ecto-5'-nucleotidase [Mus musculus]	9.6
74	1088425.1	162769	g188256	1.00E-134	cell surface glycoprotein [Homo sapiens]	9.6
75	254547.1	3134070	g7634779	8.00E-58	HDCMA39P [Homo sapiens]	9.5
76	2676170CB1	3820761	g5532411	0	decorin variant A [Homo sapiens]	9.4
77	1092181 1	2105963	g307269	1.00E-120	HLA-DRB1 [Homo sapiens]	9.4
78	471362.33	1720149	g7239698	1.00E-138	myosin light chain kinase isoform 2 [Homo sapiens]	9.3
79	471362.27	1720149	g7239696	5.00E-86	myosin light chain kinase [Homo sapiens]	9.3
80	1162416.1	2102320	g211205	3.00E-37	asma gene product [Gallus gallus]	9.3
81	252151.12	1599344	g6706335	0	laminin gamma 1 precursor [Anopheles gambiae]	9.2
82	252151.7	1599344	g186964	4.00E-99	laminin B2 chain [Homo sapiens]	9.2
83	358892.1	2057260	g3550283	0	XRP2 protein [Homo sapiens]	9.2
84	1296867CB1	3506985	g180117	0	antigen CD36 [Homo sapiens]	9.1
85	337518.7	3506985	g180111	0	antigen CD36 [Homo sapiens]	9.1
86	1344279CB1	2771046	g544755	0	aminopeptidase N, APN {type II membrane protein} {EC 3.4.11.2} [Oryctolagus cuniculus]	9.1
87	2731776CB1	2057601	g7294319	0	CG6778 gene product [Drosophila melanogaster]	9.1
88	1090035.1	1994472	g673417	5.00E-66	class II antigen [Homo sapiens]	9
89	1089929.9	2683564	g5478222	1.00E-143	MHC class II antigen [Homo sapiens]	9
90	2723092CB1	2633207	g1805270	0	endothelial PAS domain protein 1 [Mus musculus]	8.9
91	2174489CB1	2173208	g180803	0	alpha-1 type IV collagen [Homo sapiens]	8.9
92	1253978CB1	1867652	g5441246	0	branching enzyme 1 [Phaseolus vulgaris]	8.8
93	2274011CB1	1909488	g7292213	5.00E-44	CG1275 gene product [Drosophila melanogaster]	8.8
94	3119737CB1	2733928	g36034	1.00E-110	rhoC coding region (AA 1-193) [Homo sapiens]	8.8
95	1384695.102	1514318	g37987	0	Human XIST, coding sequence 'a' mRNA (locus DXS399E).	8.7
96	257332CB1	1402228	g57381	0	T-plastin [Rattus norvegicus]	8.7
97	2972880CB1	1636171	g6475031	0	sushi-repeat-containing protein [Mus musculus]	8.5
98	550425CB1	550425	g1373427	0	FLT4 ligand DHM [Homo sapiens]	8.5
99	014284CB1	1822716	g4106126	0	dipeptidyl peptidase I [Canis familiaris]	8.5
100	1091854.7	1708528	g1203969	0	filamin [Homo sapiens]	8.4
101	138709.5	2844989	g6031212	0	heat shock protein hsp40 homolog [Homo sapiens]	8.4
102	375954.1	1404153	g1381792	0	H-cadherin [Homo sapiens]	8.4
103	1262781CB1	3511216	g3201589	0	endoglin [Homo sapiens]	8.3
104	282761.16	3511216	g3201589	0	endoglin [Homo sapiens]	8.3
105	3090708CB1	1283532	g3805947	0	5T4 oncofetal trophoblast glycoprotein [Homo sapiens]	8.3

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SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
106	230062.4	1711206	g183084	6.00E-88	21 kd basic fibroblast growth factor (ctg start codon; put.); putative [Homo sapiens]	8.2
107	483043CB1	1854277	g1405893	0	MHC class I chain-related protein A [Homo sapiens]	8.1
108	348205.9	1854277	g1405893	1.00E-139	MHC class I chain-related protein A [Homo sapiens]	8.1
109	1256295.18	1702350	g403128	1.00E-91	[Human gadd45 gene, complete cds.], gene product [Homo sapiens]	8
110	875668CB1	1418741	g306805	0	G protein-coupled receptor kinase [Homo sapiens]	8
111	1180189.1	2664388	g4063630	0	Homo sapiens clone IMAGE 286356.	8
112	3109992CB1	2483173	g37637	1.00E-178	VAC protein (AA 1-320) [Homo sapiens]	8
113	1250434CB1	1711151	g6636317	0	hypoxia-inducible factor 1 alpha [Homo sapiens]	7.8
114	1327838.1	3721987	g2947054	1.00E-18	Gene product with similarity to Rat P8 [Homo sapiens]	7.7
115	2021477CB1	2190284	g1669547	2.00E-91	RBP-MS/type 1 [Homo sapiens]	7.7
116	235171.20	1940994	g1663704	0	KIAA0242 protein [Homo sapiens]	7.7
117	149832CB1	604856	g494989	1.00E-152	nicotinamide N-methyltransferase [Homo sapiens]	7.6
118	1759127CB1	1759127	g409059	0	lysyl hydroxylase [Rattus norvegicus]	7.6
119	2048551CB1	2048551	g1495463	1.00E-68	H.sapiens mRNA for metallothionein isoform 1R.	7.6
120	3282941CB1	155904	g3599521	4.00E-77	musculin [Homo sapiens]	7.6
121	2733135CB1	2806166	g291888	0	cathepsin B [Homo sapiens]	7.5
122	2176269CB1	1405940	g5852295	0	lysyl hydroxylase isoform 2 [Mus musculus]	7.5
123	1218607CB1	477045	g1030053	1.00E-149	rtvp-1 [Homo sapiens]	7.5
124	1553795CB1	1906574	g1022323	0	collagen alpha-2(IV) chain [Mus musculus]	7.4
125	238538.22	1906574	g8101724	9.00E-40	canstatin [Homo sapiens]	7.4
126	246546.9	2936505	g3043597	0	Homo sapiens mRNA for KIAA0537 protein, complete cds.	7.4
127	234223.14	1672442	g219510	0	collagen alpha 1(V) chain precursor [Homo sapiens]	7.2
128	2054053CB1	2054053	g181123	1.00E-105	cleavage signal 1 protein [Homo sapiens]	7.1
129	1613766CB1	1640161	g6563252	2.00E-32	G-protein gamma-12 subunit [Homo sapiens]	7.1
130	233454.3	1636639	g4519621	1.00E-67	OASIS protein [Mus musculus]	7.1
131	347699.13	1358285	g55122	0	ufo [Mus musculus]	7
132	3531583CB1	1358285	g238775	0	putative tyrosine kinase receptor=UFO [human, NIH3T3, Peptide, 894 aa] [Homo sapiens]	7
133	407096.14	630625	g2832346	0	thioredoxin reductase [Homo sapiens]	7
134	482411.26	2304121	g999454	0	TX protease precursor [Homo sapiens]	6.9
135	482411.25	2304121	g903934	0	cysteine protease [Homo sapiens]	6.9
136	1258943CB1	434771	g1377894	0	OB-cadherin-1 [Homo sapiens]	6.9
137	1327030.1	450574	g829623	3.00E-86	myosin regulatory light chain [Homo sapiens]	6.9
138	025595.22	1962971	g8170714	0	laminin beta 2 chain; S-laminin [Homo sapiens]	6.9
139	995174.1	1975129	g6580411	6.00E-39	dJ467L1.2 (vesicle-associated membrane protein 3 (cellubrevin)) [Homo sapiens]	6.8
140	1709732CB1	269456	g29626	0	CALLA protein (AA 1 - 750) [Homo sapiens]	6.7

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141	1040610.4	692827	g36386	1.00E-131	SB-2-beta precursor polypeptide (aa -29 to 229) [Homo sapiens]	6.7
142	055498.6	1865767	g2769562	0	ZYG homologue [Homo sapiens]	6.7
143	181172CB1	2503037	g484051	1.00E-121	placental protein 5 (PP5) [Homo sapiens]	6.6
144	2705515CB1	1846209	g184657	0	transfer RNA-Trp synthetase [Homo sapiens]	6.5
145	480228.3	1997250	g339899	0	Human transposon-like element mRNA.	6.5
146	360929.39	063038	g338336	1.00E-98	spermidine/spermine N1-acetyltransferase [Homo sapiens]	6.5
147	1989087CB1	1603057	g37265	0	TRAM protein [Homo sapiens]	6.5
148	995068.16	1904994	g546088	0	CAP, 38 kda intracellular serine proteinase inhibitor [Homo sapiens]	6.4
149	1217216.1	1976279	g1297330	1.00E-140	DOC-2 [Homo sapiens]	6.4
150	474426.5	1281473	g1946347	0	RNA polymerase II elongation factor ELL2 [Homo sapiens]	6.4
151	350521.22	2078364	g3721878	0	DR5 [Homo sapiens]	6.4
152	1075592.6	1686585	g505589	1.00E-154	insulin-like growth factor binding protein 5 (IGFBP5) gene product [Homo sapiens]	6.4
153	1485867CB1	1959565	g5499721	0	eRF1 [Homo sapiens]	6.4
154	2515360CB1	1887959	g2370202	0	procollagen alpha 2(V) [Homo sapiens]	6.3
155	3290944CB1	3598222	g6165882	0	collagen type XI alpha-1 isoform A [Homo sapiens]	6.3
156	441206.15	2849603	g6492130	0	urokinase receptor-associated protein uPARAP [Homo sapiens]	6.3
157	1712327CB1	1712327	g202404	0	Wnt-5a [Mus musculus]	6.2
158	1393778CB1	2056987	g212383	0	myosin heavy chain [Gallus gallus]	6.1
159	480127.44	2056987	g189036	7.00E-11	nonmuscle myosin heavy chain (NMHC) [Homo sapiens]	6.1
160	1870941CB1	1870941	g297408	0	P63 protein [Homo sapiens]	6.1
161	2495110CB1	3176845	g3869113	0	TRKA [Homo sapiens]	6.1
162	034711.3	3425195	g7020611	0	unnamed protein product [Homo sapiens]	6.1
163	251776.14	418731	g3478697	0	integrin beta-5 [Mus musculus]	6.1
164	239511.5	1821971	g189730	0	platelet-derived growth factor receptor [Homo sapiens]	6.1
165	989878.1	1997703	g6563408	0	connexin 43 [Homo sapiens]	6
166	1558664CB1	2018222	g34656	1.00E-113	MHC-encoded proteasome subunit gene [Homo sapiens]	6
167	3602501CB1	3602501	g200882	0	retinoid X receptor-gamma [Mus musculus]	6
168	5549580CB1	1736926	g29424	0	beta-1,4-galactosyltransferase (AA -77 to 323) [Homo sapiens]	6
169	2687977CB1	1526282	g666043	1.00E-55	NMB [Homo sapiens]	6
170	3168062CB1	1662688	g1388197	1.00E-117	low-Mr GTP-binding protein Rab32 [Homo sapiens]	5.9
171	245367.2	3215205	g4039117	9.00E-64	PEA-15 protein [Cricetulus griseus]	5.9
172	470587CB1	3940755	g179948	0	cathepsin D [Homo sapiens]	5.9
173	1631074CB1	064286	g4239883	0	Glutamine:fructose-6-phosphate amidotransferase [Homo sapiens]	5.8
174	347829.12	185448	g517179	0	YAP65 (Yes-associated protein of 65 kDa MW) [Mus musculus]	5.7
175	347699 11	2058242	g238775	0	putative tyrosine kinase receptor=UFO [human, NIH3T3, Peptide, 894 aa] [Homo sapiens]	5.7

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176	1251672.1	1453450	g37227	0	tenascin [Homo sapiens]	5.6
177	1291022CB1	1291022	g1336027	0	ICE-LAP6 [Homo sapiens]	5.5
178	237405.19	2380381	g602703	1.00E-175	2,4-dienoyl-CoA reductase [Homo sapiens]	5.5
179	2685676CB1	2513883	g517350	0	H.sapiens MT1X gene for metallothionein 1X.	5.5
180	010672CB1	549196	g180130	0	cell adhesion molecule [Homo sapiens]	5.4
181	234630.58	549196	g7705157	0	CD44R4 [Homo sapiens]	5.4
182	332595.5	3249851	g2979420	0	PCDH7 (BH-Pcdh)b [Homo sapiens]	5.4
183	332595.8	3249851	g3513312	0	BH-protocadherin-a [Mus musculus]	5.4
184	335086.1	3602403	g1543068	0	CHASE [Homo sapiens]	5.4
185	1342493CB1	1453748	g6381989	0	adipocyte-derived leucine aminopeptidase [Homo sapiens]	5.4
186	232691.20	2505425	g190877	1.00E-102	ras-like protein [Homo sapiens]	5.4
187	238814.2	1417211	g1418782	0	erm [Homo sapiens]	5.3
188	201571.1	959745	g2072181	0	Rat osteoprotegerin (OPG) protein, complete sequence [Rattus norvegicus]	5.3
189	199882.5	1449824	g2668615	0	similar to drosophila peroxidasin precursor (PID:g531385) [Caenorhabditis elegans]	5.3
190	237487.22	2380042	g791047	2.00E-60	gamma subunit of sodium potassium ATPase like [Homo sapiens]	5.2
191	237487.21	2380042	g791047	3.00E-51	gamma subunit of sodium potassium ATPase like [Homo sapiens]	5.2
192	305557CB1	029564	g2665792	5.00E-91	caveolin-2 [Homo sapiens]	5.2
193	1378745CB1	147184	g162779	0	calpactin I heavy chain (p36) [Bos taurus]	5.2
194	1818836CB1	1818836	g984287	0	NDP52 [Homo sapiens]	5.2
195	137946.3	690994	g7243027	1.00E-168	KIAA1323 protein [Homo sapiens]	5.2
196	2110909CB1	2825369	g165009	0	progesterone-induced protein [Oryctolagus cuniculus]	5.2
197	200578.1	1397926			Incyte Unique	5.2
198	259592CB1	197207	g5911857	1.00E-145	hypothetical protein [Homo sapiens]	5.2
199	5584521CB1	1965863	g219925	1.00E-76	MGC-24 precursor [Homo sapiens]	5.1
200	399428.7	1491445	g3777545	0	nonsyndromic hearing impairment protein [Mus musculus]	5.1
201	117509.4	3012290	g1054903	1.00E-156	gamma-sarcoglycan [Homo sapiens]	5.1
202	3255458CB1	1597330	g2804273	0	alpha actinin 4 [Homo sapiens]	5.1
203	1430889CB1	1856520	g4107433	1.00E-120	hypothetical protein [Homo sapiens]	5
204	445048.6	1856520	g4218185	1.00E-124	hypothetical protein [Homo sapiens]	5
205	4946593CB1	2852818	g337767	0	cerebroside sulfate activator protein [Homo sapiens]	5
206	350605.45	4114209	g453180	0	lamin A [Rattus norvegicus]	5
207	1413644CB1	1413644	g975311	0	adenyl cyclase-associated protein 2 [Rattus norvegicus]	5
208	984009.2	1446475	g1225979	0	H.sapiens mRNA for HMGI-C protein.	4.9
209	627662CB1	1631511	g4102182	0	phosphoenolpyruvate carboxykinase [Mus musculus]	4.9
210	1382932.11	2175008	g1155011	0	nidogen [Homo sapiens]	4.9

TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
211	2721850CB1	1624024	g1542883	1.00E-86	progression associated protein [Homo sapiens]	4.9
212	994902.1	2059691	g2584789	4.00E-18	vacuolar proton-ATPase subunit M9.2 [Homo sapiens]	4.9
213	442744.17	1610993	g183002	0	guanylate binding protein isoform I [Homo sapiens]	4.8
214	442744.21	1610993	g193440	0	guanylate binding protein isoform I [Mus musculus]	4.8
215	1908920CB1	2134356	g1694828	2.00E-40	S100 calcium-binding protein A13 (S100A13) [Homo sapiens]	4.8
216	399101.31	2134356	g1694828	1.00E-40	S100 calcium-binding protein A13 (S100A13) [Homo sapiens]	4.8
217	183198CB1	924319	g793841	1.00E-172	nuclear protein [Homo sapiens]	4.8
218	1397781.7	1522716	g340219	0	vimentin [Homo sapiens]	4.8
219	899496.9	812141	g183613	0	granulin [Homo sapiens]	4.8
220	2111330CB1	1975209	g1617319	4.00E-81	vasodilator-stimulated phosphoprotein [Homo sapiens]	4.8
221	331591.1	2452650	g2655039	6.00E-61	tumor suppressing STF cDNA 3 [Homo sapiens]	4.8
222	337119 8	2488567	g179407	1.00E-134	brain-derived neurotrophic factor [Homo sapiens]	4.8
223	245011.11	2232471	g4193946	1.00E-87	p35srj [Homo sapiens]	4.7
224	1988468CB1	2232471	g4193946	2.00E-88	p35srj [Homo sapiens]	4.7
225	331470.8	1457726	g3043708	0	KIAA0592 protein [Homo sapiens]	4.7
226	411388CB1	591358	g182483	1.00E-112	prefibroblast collagenase inhibitor [Homo sapiens]	4.7
227	253450.9	1347232	g4426629	0	protocadherin [Rattus norvegicus]	4.7
228	351209 16	3686211	g179095	0	acid sphingomyelinase [Homo sapiens]	4.7
229	2124320CB1	2204916	g6573256	0	coatomer protein gamma2-COP [Mus musculus]	4.7
230	903876.1	548019	g8248854	0	JAK1 protein tyrosine kinase [Mus sp.]	4.7
231	1238339CB1	2108793	g541613	1.00E-119	platelet-endothelial tetraspan antigen 3 [Homo sapiens]	4.6
232	245310.36	2108793	g541613	1.00E-125	platelet-endothelial tetraspan antigen 3 [Homo sapiens]	4.6
233	2696735CB1	2696735	g1783205	1.00E-160	calponin [Homo sapiens]	4.6
234	338036.2	1449054	g808915	1.00E-156	tumor necrosis factor receptor type 1 associated protein [Homo sapiens]	4.6
235	236484.15	1922533	g6636498	0	signal transducer and activator of transcription 1; STAT1 [Rattus norvegicus]	4.6
236	232719.2	537580	g2582830	0	alpha1 integrin [Gallus gallus]	4.6
237	462249.1	1830083	g5410274	0	hypothetical 19.5 kDa protein [Homo sapiens]	4.6
238	1187408.1	030672	g178084	1.00E-125	adenylyl cyclase-associated protein [Homo sapiens]	4.6
239	627856CB1	1559756	g2665519	0	tyrosyl-tRNA synthetase [Homo sapiens]	4.6
240	553078CB1	1985104	g5823591	0	adipophilin [Bos taurus]	4.6
241	048612.15	1975268	g206067	0	phosphoenolpyruvate carboxykinase [Rattus norvegicus]	4.5
242	048612.12	1975268	g307333	1.00E-100	phosphoenolpyruvate carboxykinase [Homo sapiens]	4.5
243	1099779.1	1612306	g2662375	0	oligosaccharyltransferase [Homo sapiens]	4.5
244	1520855CB1	179929	g1477651	0	plectin [Homo sapiens]	4.5
245	1179282.1	2870970			Incyte Unique	4.5

TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
246	2770449CB1	1658320	g497174	0	beta-hexosaminidase [Mus musculus]	4.5
247	1430336CB1	030291	g178699	1.00E-180	annexin IV (placental anticoagulant protein II) [Homo sapiens]	4.5
248	903105.6	544213	g7021449	1 00E-126	steroid sensitive gene-1 protein [Rattus norvegicus]	4.5
249	1327417.14	2211625	g186513	3.00E-28	interferon-gamma [Homo sapiens]	4.4
250	1327417.10	2211625	g186513	1.00E-121	interferon-gamma [Homo sapiens]	4.4
251	230712.24	2814551	g2274966	0	Cdc42-interacting protein 4 [Homo sapiens]	4.4
252	982520.1	2986240	g7573532	4.00E-93	dJ136O14.2 (collagen, type X, alpha 1) [Homo sapiens]	4.4
253	311807CB1	821141	g7295855	0	CG17259 gene product [Drosophila melanogaster]	4.4
254	1479370CB1	1626460	g49944	0	mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase [Mus musculus]	4.4
255	2993696CB1	2884613	g6900104	0	glucose-regulated protein [Homo sapiens]	4.4
256	4004223CB1	1810945	g452320	1.00E-114	rab 13 [Homo sapiens]	4.4
257	453835.19	1723035	g6822272	8.00E-69	Ras negative regulator Rabex-5/Rin2 [Mus musculus]	4.4
258	391741.16	1634279	g36061	0	peptide transporter [Homo sapiens]	4.3
259	391741.64	1634279	g36061	0	peptide transporter [Homo sapiens]	4.3
	1382958.26	3876715	g300169	0	APPH=amyloid precursor protein homolog [human, placenta, Peptide, 763 aa] [Homo sapiens]	4.3
260						
261	232567.4	1577614	g404024	0	follistatin [Bos taurus]	4.3
262	1720770CB1	2189762	g7688699	1.00E-116	RER1 protein [Homo sapiens]	4.3
263	253987.19	700559	g395338	2.00E-55	helix-loop-helix protein [Homo sapiens]	4.2
264	2047630CB1	1381654	g3341715	0	asparagine synthetase [Homo sapiens]	4.2
265	238203.11	999864	g340237	0	vinculin [Homo sapiens]	4.2
266	899410.5	1724967	g4165326	0	plasma membrane calcium ATPase isoform 1 [Homo sapiens]	4.2
267	474311.3	2736056	g1657752	0	FE65-like protein [Homo sapiens]	4.2
268	2169835CB1	1003486	g558999	0	Shcp52 [Mus musculus]	4.1
269	290021.11	1003486	g1899055	1.00E-153	p66shc [Homo sapiens]	4.1
270	267324CB1	2132217	g1905874	0	carboxyl terminal LIM domain protein [Homo sapiens]	4.1
271	2119372CB1	1889060	g402666	0	calpain II 80 kDa subunit [Rattus norvegicus]	4.1
272	2818482CB1	2668334	g36061	0	peptide transporter [Homo sapiens]	4.1
273	1330231.11	2594308	g430756	1.00E-116	ME491 /CD63 antigen [Homo sapiens]	4.1
274	1330117.5	692201	g1791289	1.00E-137	MHC class II HLA-DQ [Homo sapiens]	4.1
275	233402.3	2056290	g1663726	0	MNB [Homo sapiens]	4.1
276	1622313CB1	1901061	g5880317	0	lysyl hydroxylase 3 [Mus musculus]	4.1
277	2939887CB1	1375115	g1235559	0	responsible for hereditary multiple exotosis [Mus musculus]	4.1
278	1804120CB1	1901095	g4959705	0	fibulin-2 [Mus musculus]	4
279	245485.12	1901095	g4884120	1.00E-129	hypothetical protein [Homo sapiens]	4

TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
280	1285395CB1	015834	g3064263	0	protein 4.1G [Mus musculus]	4
281	036391.3	399035	g37074	1.00E-159	transcription elongation factor [Homo sapiens]	-4
282	036391.13	399035	g37074	1.00E-171	transcription elongation factor [Homo sapiens]	-4
283	474435.16	1610523	g307155	2.00E-86	MAC30 [Homo sapiens]	-4
284	2495292CB1	2495292	g2267585	0	transcription intermediary factor 1 [Homo sapiens]	-4.1
285	251651.4	1645766	g456090	2.00E-76	effector cell protease receptor 1 [Homo sapiens]	-4.2
286	5408483CB1	3493061	g297529	0	NF-M [Mus musculus]	-4.2
287	347876.6	103669	g1184107	0	DNA replication initiator protein [Xenopus laevis]	-4.2
288	1289007CB1	1986737	g6690095	1.00E-145	tetraspanin protein [Homo sapiens]	-4.3
289	233301.18	814216	g180173	0	putative [Homo sapiens]	-4.3
290	2157771CB1	2825656	g199023	0	microtubule associated protein 2 [Mus musculus]	-4.3
291	2958028CB1	1569804	g62966	0	NF-E1 [Gallus gallus]	-4.4
292	233811.8	1569804	g639594	0	GATA-2 transcription factor {3' flanking region, exon 6}[Homo sapiens].	-4.4
293	1270302CB1	1486358	g214862	0	beta-tubulin [Xenopus laevis]	-4.4
294	067163CB1	1384823	g29979	4.00E-43	Cks1 protein homologue [Homo sapiens]	-4.4
295	002387CB1	2781405	g387005	1.00E-139	proliferating cell nuclear antigen (PCNA) [Homo sapiens]	-4.4
296	2798854CB1	4385292	g5262584	0	hypothetical protein [Homo sapiens]	-4.4
297	1292280CB1	3496395	g4164381	0	nicotinic acetylcholine receptor alpha-3 subunit [Homo sapiens]	-4.5
298	979248.2	3496395			Incyte Unique	-4.5
299	236240.3	1850531	g4325180	1.00E-109	tetraspan NET-6 [Homo sapiens]	-4.5
300	234427.4	1616315	g1507672	0	GS3955 [Homo sapiens]	-4.6
301	234427.7	1616315	g1507672	9.00E-60	GS3955 [Homo sapiens]	-4.6
302	411205.16	160410	g2865520	0	protein regulating cytokinesis 1 (PRC1) mRNA, complete cds [Homo sapiens]	-4.6
303	411205.5	160410	g2865521	0	protein regulating cytokinesis 1; PRC1 [Homo sapiens]	-4.6
304	238854.23	1369473	g7707424	1.00E-117	syntaxin 18 [Homo sapiens]	-4.6
305	405008.1	726201	g5926703	4.00E-17	Homo sapiens genomic DNA, chromosome 6p21.3, HLA Class I region, section 15/20.	-4.6
306	372981.9	1576329	g3901272	3.00E-56	ZW10 interactor Zwint [Homo sapiens]	-4.7
307	345125.8	180439	g190426	0	protein phosphatase-2A subunit-beta [Homo sapiens]	-4.8
308	345125.17	180439	g1777373	3 00E-45	B-regulatory subunit of protein phosphatase 2A [Rattus norvegicus]	-4.8
309	1723834CB1	1723834	g434753	0	KIAA0030 [Homo sapiens]	-4.9
310	407588.2	1640108	g1035015	1.00E-112	H.sapiens CpG island DNA genomic Mse1 fragment, clone 71a7, reverse read cpg71a7.rt1a.	-5
311	1970111CB1	1970111	g286013	0	KIAA0008 [Homo sapiens]	-5.1
312	058208CB1	467621	g882223	0	triadin [Homo sapiens]	-5.2
313	333461.2	4003342	g559715	0	KIAA0074 [Homo sapiens]	-5.2
314	002940CB1	161207	g3402293	0	aurora and IPL1-like midbody-associated protein kinase-1 [Homo sapiens]	-5.4

TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
315	365153CB1	2375329	g339560	1 00E-178	bone morphogenetic protein 5 [Homo sapiens]	-5.6
316	034181CB1	1316528	g190267	0	poly(ADP-ribose) polymerase [Homo sapiens]	-5.7
317	264633.20	1709017	g4378022	2.00E-84	putative WHSC1 protein [Homo sapiens]	-5.8
318	264633.19	1709017	g6683808	0	MMSET type I [Homo sapiens]	-5 8
319	1760566CB1	2657680	g1907393	2.00E-79	proneurotensin/proneuromedin N [Homo sapiens]	-5.8
320	3296553CB1	1739904	g609535	0	66 kDa neurofilament protein NF-66 [Mus musculus]	-5 8
321	199471.2	2414624	g1575534	1.00E-112	Mad2 [Homo sapiens]	-5.8
322	1558165CB1	1403041	g687590	2.00E-36	transmembrane protein [Homo sapiens]	-5.9
323	988665.6	2219234	g2827203	1.00E-114	general transcription factor 2-I [Homo sapiens]	-6
324	988665.10	2219234	g2827180	4.00E-19	general transcription factor 2-I; alternative splice product [Homo sapiens]	-6
325	334634.1	3230940	g2224577	0	KIAA0318 [Homo sapiens]	-6
326	2823239CB1	940823	g207409	0	tyrosine hydroxylase (EC 1 14.16.2) [Rattus norvegicus]	-6
327	021413CB1	1629861	g1488413	1.00E-13	N8 gene product=D52 homolog/leucine zipper protein [Homo sapiens]	-6.1
328	637182CB1	3771476	g293689	0	lamin B [Mus musculus]	-6.1
329	1297347CB1	1813133	g437102	3.00E-88	HMG-1 [Mus musculus]	-6.2
330	149914.15	2446238	g505098	1.00E-113	KIAA0069 [Homo sapiens]	-6.2
331	418689CB1	1646294	g51053	0	GATA-3 factor [Mus musculus]	-6.3
332	2232180CB1	039817	g220136	0	thymidylate synthase [Homo sapiens]	-6.4
333	092267CB1	1932189	g1699046	0	Delta1 [Rattus norvegicus]	-6.9
334	227432.21	617878	g3641300	0	potassium channel [Rattus norvegicus]	-7.1
335	227432.22	617878	g2801452	0	potassium channel; KvEBN1 [Homo sapiens]	-7.1
336	253570.30	1516301	g1778840	0	INS-1 winged helix [Rattus norvegicus]	-7.3
337	253570.32	1516301	g1842255	0	hepatocyte nuclear factor-3/fork head homolog 11B [Homo sapiens]	-7.3
338	3332616CB1	1502188	g1244408	2.00E-17	neuronatin alpha [Homo sapiens]	-7.4
339	1832346CB1	1721744	g339948	0	tropomodulin [Homo sapiens]	-7.4
340	221500.1	1672676	g2130632	0	synaptotagmin XI [Rattus norvegicus]	-7.5
341	1794861CB1	1515980	g557272	0	HYL tyrosine kinase [Homo sapiens]	-7.6
342	202239.1	3812392	g200768	0	ribonucleotide reductase subunit M2 [Mus musculus]	-7.6
343	4181211CB1	661492	g1302658	0	neural cell adhesion molecule L1 [Homo sapiens]	-7.7
344	331051.4	661492	g347807	3.00E-96	cell adhesion molecule L1 [Homo sapiens]	-7.7
345	1454418CB1	1525795	g29839	1.00E-172	CDC2 polypeptide (CDC2) (AA 1-297) [Homo sapiens]	-7.7
346	242309.6	1403636	g882147	0	CRMP-62 [Gallus gallus]	-7.8
347	232888.4	129009	g2668414	0	topoisomersae II [Sus scrofa]	-7.8
348	978190.8	3856893	g976235	0	kinesin family protein KIF1a [Mus musculus]	-7.8
349	2700132CB1	2470485	g1177528	0	Ki-67 [Mus musculus]	-8

TABLE 1

SEQ ID NO	Template ID	Clone ID	GenBank Hit	E-value	Annotation	Bal DE
350	343934.1	1267860	g3641671	0	doublecortin [Mus musculus]	-8.3
351	3145862CB1	3176609	g1763259	0	collapsin response mediator 1 [Mus musculus]	-8.3
352	1292191CB1	2821341	g5834566	6.00E-65	chromogranin B (secretogranin 1, SCG1) [Homo sapiens]	-8.3
353	988660.32	1921393	g51442	2.00E-09	putative [Mus musculus]	-9.2
354	2522352CB1	986752	g2506836	0	DNA replication licensing factor MCM7 (CDC47 homolog) [Homo sapiens]	-9.9
355	244622.1	1412749	g4836723	7.00E-90	HMP19 protein [Homo sapiens]	-10.6
356	1555752CB1	3596853	g3192879	0	MAD3-like protein kinase [Homo sapiens]	-10.7
357	2324155CB1	1730052	g292166	1.00E-154	69 kD autoantigen [Homo sapiens]	-11.2
358	1100140.7	2916753	g184236	3.00E-83	high mobility group 2 protein [Homo sapiens]	-13.8
359	1100140.12	2916753	g184236	1.00E-98	high mobility group 2 protein [Homo sapiens]	-13.8
360	3393396CB1	494905	g63099	0	B-myb [Gallus gallus]	-13.8
361	026662.3	485111	g6319178	0	LEK1 [Mus musculus]	-19.2
362	1315515CB1	2821036	g338051	0	secretogranin II [Homo sapiens]	-19.4
363	406387.1	2373263	g5689439	1.00E-161	KIAA1051 protein [Homo sapiens]	-19.8
364	1610121CB1	2820985	g181521	0	aromatic amino acid (dopa) decarboxylase [Homo sapiens]	-21.1
365	330839.1	2811651	g386983	1.00E-164	N-myc [Homo sapiens]	-37.9

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
1	1497123CB1	1497123	300	1261
2	2985802CB1	3553729	6501	7088
3	475532.4	2859033	1	142
4	3138290CB1	1870965	34	5098
5	474310.40	1672744	1418	3957
6	410580.16	1445767	643	2168
7	337518.25	1674454	1234	3035
8	1303785CB1	79576	1100	1335
9	1044033.4	1514989	326	1982
10	1000222.31	690313	969	1529
11	403873.4	2329216	624	1460
12	1383105.12	4049957	136	1158
13	1383354.13	1572533	317	1260
14	697785CB1	2495131	21	332
15	420115CB1	1904751	1420	1958
16	1101453.2	2949427	72	682
17	1399366.20	2055534	4836	5848
18	3072333CB1	1447903	427	2440
19	1270681 1	1804548	1382	2242
20	1505038CB1	1987358	1199	3647
21	1035602.5	1854220	356	804
22	1330167.3	1001730	108	340
23	1003386CB1	1664320	547	1101
24	1097334.1	2483605	132	619
25	959142CB1	2804667	2455	5356
26	1359783CB1	1798209	736	2873
27	063646CB1	557012	544	1852
28	1519595CB1	2056395	938	2657
29	2054176CB1	3142736	660	2545
30	1312325CB1	1319608	2199	2722
31	022404.25	1319608	3805	4401
32	1787335CB1	1958902	726	1992
33	1193648.7	1851696	268	858
34	1193648.1	1851696	6053	6167
35	1867861CB1	1448051	8022	9703
36	5511889CB1	1650238	89	2294
37	3094768CB1	2902903	160	778
38	1256895CB1	1720056	721	2419
39	2019981CB1	1733490	2424	3921
40	2708240CB1	3084122	1730	3549
41	1092427.1	1313183	3747	5208
42	351841.7	1852047	2927	3756
43	022221.43	1314882	8395	10551
44	2190217CB1	78783	207	370
45	410910.3	2518178	2047	4796
46	1966280CB1	1700077	930	1514
47	430669.39	1572555	110	495
48	430669.23	1572555	1213	1596
49	1870753CB1	782235	4047	4691
50	3173735CB1	521139	322	2050
51	1330185.14	2868138	738	1146
52	2314132CB1	3118643	1118	2410
53	2508205CB1	2057296	480	2127
54	3326672CB1	1995380	27	565
55	234202.34	1995380	372	865

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
56	078242CB1	1319020	1743	1880
57	220943.20	417451	2272	2861
58	1383320.13	1558081	1275	3419
59	3526170CB1	2242648	533	1276
60	184081.24	27775	188	424
61	1821331CB1	1394401	525	2809
62	3660006CB1	1720114	2517	4383
63	089172.13	3693273	1727	4633
64	3084563CB1	2852042	87	1804
65	241227.17	1402715	515	1496
66	348151.2	1618422	3955	6433
67	1720808CB1	2606307	668	3615
68	998552.6	459651	663	1847
69	040652.35	2508261	541	981
70	040652.36	2508261	2420	2860
71	082155CB1	522294	542	1439
72	190144CB1	1668794	26	812
73	234537.3	1718651	3060	3637
74	1088425.1	162769	25	1178
75	254547.1	3134070	241	1028
76	2676170CB1	3820761	627	1978
77	1092181.1	2105963	37	514
78	471362.33	1720149	443	926
79	471362.27	1720149	319	771
80	1162416.1	2102320	1	157
81	252151.12	1599344	1054	1635
82	252151.7	1599344	1	579
83	358892.1	2057260	3649	3810
84	1296867CB1	3506985	209	793
85	337518.7	3506985	285	2721
86	1344279CB1	2771046	1591	3649
87	2731776CB1	2057601	1553	2381
88	1090035.1	1994472	40	450
89	1089929.9	2683564	646	778
90	2723092CB1	2633207	793	1058
91	2174489CB1	2173208	2599	3196
92	1253978CB1	1867652	606	2740
93	2274011CB1	1909488	606	1154
94	3119737CB1	2733928	183	414
95	1384695.102	1514318	2903	3243
96	257332CB1	1402228	1435	3048
97	2972880CB1	1636171	1163	1832
98	550425CB1	550425	482	1771
99	014284CB1	1822716	696	1862
100	1091854.7	1708528	4484	8482
101	138709.5	2844989	793	2272
102	375954.1	1404153	1066	3654
103	1262781CB1	3511216	947	1540
104	282761.16	3511216	2458	2924
105	3090708CB1	1283532	849	1996
106	230062.4	1711206	4892	6599
107	483043CB1	1854277	294	756
108	348205.9	1854277	564	977
109	1256295.18	1702350	828	1323
110	875668CB1	1418741	302	747

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
111	1180189.1	2664388	425	958
112	3109992CB1	2483173	5	1537
113	1250434CB1	1711151	2302	2787
114	1327838.1	3721987	39	327
115	2021477CB1	2190284	139	873
116	235171.20	1940994	3600	3851
117	149832CB1	604856	466	1002
118	1759127CB1	1759127	2503	3425
119	2048551CB1	2048551	1	558
120	3282941CB1	155904	993	1501
121	2733135CB1	2806166	523	1903
122	2176269CB1	1405940	790	2462
123	1218607CB1	477045	300	889
124	1553795CB1	1906574	2283	2722
125	238538.22	1906574	1044	1569
126	246546.9	2936505	358	860
127	234223.14	1672442	4807	6314
128	2054053CB1	2054053	332	869
129	1613766CB1	1640161	1176	1567
130	233454.3	1636639	930	1580
131	347699.13	1358285	2709	3065
132	3531583CB1	1358285	2458	3191
133	407096.14	630625	2268	3868
134	482411.26	2304121	29	519
135	482411.25	2304121	1168	1318
136	1258943CB1	434771	1739	3350
137	1327030.1	450574	353	1225
138	025595.22	1962971	4003	5656
139	995174.1	1975129	568	2327
140	1709732CB1	269456	1219	3491
141	1040610.4	692827	557	1390
142	055498.6	1865767	3980	4262
143	181172CB1	2503037	8	1168
144	2705515CB1	1846209	677	2204
145	480228.3	1997250	555	1014
146	360929.39	63038	85	296
147	1989087CB1	1603057	651	1324
148	995068.16	1904994	462	925
149	1217216.1	1976279	12140	12702
150	474426.5	1281473	306	1426
151	350521.22	2078364	1076	1891
152	1075592.6	1686585	3257	4529
153	1485867CB1	1959565	1635	2290
154	2515360CB1	1887959	4110	4667
155	3290944CB1	3598222	2388	3877
156	441206.15	2849603	967	2806
157	1712327CB1	1712327	1675	2673
158	1393778CB1	2056987	5339	5789
159	480127.44	2056987	1037	1246
160	1870941CB1	1870941	686	2204
161	2495110CB1	3176845	568	815
162	034711.3	3425195	2588	3084
163	251776.14	418731	2757	3391
164	239511.5	1821971	3967	5570
165	989878.1	1997703	2259	3042

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SEQ ID NO	Template ID	Clone ID	Start	Stop
166	1558664CB1	2018222	354	799
167	3602501CB1	3602501	1141	1784
168	5549580CB1	1736926	1057	2249
169	2687977CB1	1526282	23	2808
170	3168062CB1	1662688	520	1064
171	245367.2	3215205	452	2440
172	470587CB1	3940755	1735	2236
173	1631074CB1	64286	1477	1652
174	347829.12	185448	492	2202
175	347699.11	2058242	3889	4665
176	1251672.1	1453450	6281	7539
177	1291022CB1	1291022	1115	2019
178	237405.19	2380381	273	1420
179	2685676CB1	2513883	465	882
180	010672CB1	549196	119	635
181	234630.58	549196	213	788
182	332595 5	3249851	160	733
183	332595.8	3249851	4129	4680
184	335086.1	3602403	3018	3387
185	1342493CB1	1453748	1684	2248
186	232691.20	2505425	554	1692
187	238814.2	1417211	1660	4002
188	201571.1	959745	278	1827
189	199882.5	1449824	4198	5529
190	237487.22	2380042	250	443
191	237487.21	2380042	595	756
192	305557CB1	29564	55	257
193	1378745CB1	147184	979	1422
194	1818836CB1	1818836	34	2284
195	137946 3	690994	5224	6258
196	2110909CB1	2825369	938	2140
197	200578.1	1397926	1163	2312
198	259592CB1	197207	443	751
199	5584521CB1	1965863	131	653
200	399428.7	1491445	1662	2204
201	117509 4	3012290	72	1586
202	3255458CB1	1597330	123	615
203	1430889CB1	1856520	236	669
204	445048 6	1856520	497	923
205	4946593CB1	2852818	1624	2578
206	350605.45	4114209	1448	1913
207	1413644CB1	1413644	782	2021
208	984009 2	1446475	68	808
209	627662CB1	1631511	1128	2113
210	1382932.11	2175008	4209	4703
211	2721850CB1	1624024	1162	2690
212	994902.1	2059691	530	1222
213	442744.17	1610993	1331	1866
214	442744.21	1610993	1571	2138
215	1908920CB1	2134356	755	1192
216	399101.31	2134356	514	1144
217	183198CB1	924319	774	1255
218	1397781.7	1522716	1328	1966
219	899496.9	812141	1463	2552
220	2111330CB1	1975209	1034	1781

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
221	331591.1	2452650	50	429
222	337119.8	2488567	742	1319
223	245011.11	2232471	879	1228
224	1988468CB1	2232471	886	1876
225	331470.8	1457726	3107	3620
226	411388CB1	591358	486	842
227	253450.9	1347232	12543	14884
228	351209.16	3686211	1030	2447
229	2124320CB1	2204916	3	2226
230	903876.1	548019	2801	5026
231	1238339CB1	2108793	179	677
232	245310.36	2108793	900	1367
233	2696735CB1	2696735	72	1519
234	338036.2	1449054	661	1416
235	236484.15	1922533	3229	4192
236	232719.2	537580	2541	3462
237	462249.1	1830083	2469	3616
238	1187408.1	30672	1252	1462
239	627856CB1	1559756	311	829
240	553078CB1	1985104	731	1832
241	048612.15	1975268	2605	2853
242	048612.12	1975268	1114	1662
243	1099779.1	1612306	1043	1732
244	1520855CB1	179929	4384	6269
245	1179282.1	2870970	730	1328
246	2770449CB1	1658320	843	1776
247	1430336CB1	30291	650	805
248	903105.6	544213	4275	4675
249	1327417.14	2211625	1	435
250	1327417.10	2211625	405	995
251	230712.24	2814551	407	940
252	982520.1	2986240	18	3113
253	311807CB1	821141	641	1853
254	1479370CB1	1626460	2350	3565
255	2993696CB1	2884613	13	2488
256	4004223CB1	1810945	425	955
257	453835.19	1723035	4103	5200
258	391741.16	1634279	1823	2346
259	391741.64	1634279	2996	3441
260	1382958 26	3876715	591	902
261	232567.4	1577614	511	1140
262	1720770CB1	2189762	323	811
263	253987.19	700559	493	1406
264	2047630CB1	1381654	815	1897
265	238203.11	999864	4229	5092
266	899410.5	1724967	4019	4432
267	474311 3	2736056	3931	6660
268	2169835CB1	1003486	1792	2109
269	290021.11	1003486	2586	3038
270	267324CB1	2132217	1179	1454
271	2119372CB1	1889060	1770	3137
272	2818482CB1	2668334	404	1219
273	1330231.11	2594308	333	1159
274	1330117.5	692201	649	1299
275	233402.3	2056290	5739	6369

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
276	1622313CB1	1901061	1640	2538
277	2939887CB1	1375115	2059	2667
278	1804120CB1	1901095	2380	2963
279	245485.12	1901095	630	1083
280	1285395CB1	15834	1238	1533
281	036391.3	399035	1109	1635
282	036391.13	399035	2283	2683
283	474435.16	1610523	1326	2035
284	2495292CB1	2495292	1974	3637
285	251651.4	1645766	881	1434
286	5408483CB1	3493061	489	3217
287	347876.6	103669	290	2962
288	1289007CB1	1986737	942	1758
289	233301.18	814216	2032	2585
290	2157771CB1	2825656	5088	5612
291	2958028CB1	1569804	1259	1854
292	233811.8	1569804	316	734
293	1270302CB1	1486358	1376	2197
294	067163CB1	1384823	66	639
295	002387CB1	2781405	884	1288
296	2798854CB1	4385292	1174	3091
297	1292280CB1	3496395	1271	1842
298	979248.2	3496395	1	192
299	236240.3	1850531	472	1929
300	234427.4	1616315	911	1423
301	234427.7	1616315	1	625
302	411205 16	160410	195	679
303	411205.5	160410	1903	3093
304	238854.23	1369473	913	1296
305	405008.1	726201	69	488
306	372981.9	1576329	62	417
307	345125.8	180439	552	1110
308	345125.17	180439	270	840
309	1723834CB1	1723834	2901	3240
310	407588.2	1640108	1458	1771
311	1970111CB1	1970111	1059	2805
312	058208CB1	467621	609	1459
313	333461.2	4003342	1538	2064
314	002940CB1	161207	86	1222
315	365153CB1	2375329	509	1794
316	034181CB1	1316528	1946	3633
317	264633.20	1709017	1	562
318	264633.19	1709017	2523	3069
319	1760566CB1	2657680	536	798
320	3296553CB1	1739904	2395	2868
321	199471.2	2414624	125	1463
322	1558165CB1	1403041	431	1842
323	988665.6	2219234	878	1327
324	988665.10	2219234	276	797
325	334634.1	3230940	3713	5552
326	2823239CB1	940823	1174	1778
327	021413CB1	1629861	210	1669
328	637182CB1	3771476	1110	1582
329	1297347CB1	1813133	275	1067
330	149914.15	2446238	412	2382

TABLE 2

SEQ ID NO	Template ID	Clone ID	Start	Stop
331	418689CB1	1646294	1618	2260
332	2232180CB1	39817	798	963
333	092267CB1	1932189	805	1262
334	227432.21	617878	447	1001
335	227432.22	617878	843	1376
336	253570 30	1516301	2588	3043
337	253570.32	1516301	2747	3519
338	3332616CB1	1502188	15	547
339	1832346CB1	1721744	1109	2734
340	221500.1	1672676	3901	5215
341	1794861CB1	1515980	779	1949
342	202239.1	3812392	0	1680
343	4181211CB1	661492	2001	2372
344	331051 4	661492	1175	1676
345	1454418CB1	1525795	336	1776
346	242309.6	1403636	3247	3729
347	232888 4	129009	3843	5647
348	978190.8	3856893	10	991
349	2700132CB1	2470485	412	985
350	343934.1	1267860	8048	9390
351	3145862CB1	3176609	1646	2820
352	1292191CB1	2821341	9	2541
353	988660 32	1921393	284	703
354	2522352CB1	986752	443	2551
355	244622.1	1412749	1845	2383
356	1555752CB1	3596853	27	3642
357	2324155CB1	1730052	112	1683
358	1100140.7	2916753	1	542
359	1100140.12	2916753	575	1152
360	3393396CB1	494905	166	2601
361	026662.3	485111	7806	10241
362	1315515CB1	2821036	31	2342
363	406387.1	2373263	5566	6690
364	1610121CB1	2820985	517	1895
365	330839.1	2811651	1054	2499